

High Voltage Crow Bar Revised: Thursday, January 09, 2003
 CMS0103 Revision: ~

REVISED: 2/21/2003
Quantity: 50

CMS Si Bias CrowBar Bill of Materials

Item	Quan.	Ref.	Description	Part	Value	Mfg	Distributor	Dist PN	Cost	Req.	Ordered	On Hand		
1	1	C1	Capacitor, dcr Y5P	.001mfd 10%	100v	Multicomp	Newark	50N1080	0.04	0.04	50	50	0	
2	9	D1-D9	Zener diode, 75v	1N5267	75volts	Vishay	DigiKey	1n5267BMSCT	0.1	0.92	450	450	16	
3	1	D7	Zener diode, 15v	1N5245B	15 volts	Vishay	DigiKey	1N5245BDICT	0.14	0.14	50	50	2	
4	1	F1	Fuse	273.002	2mA	Littlefuse	Newark	28F060	19	19	50	50	6	
5	2	J1,J2	Connector, jack	51494-1	SHV bulkh	Amp	Newark	89F3394	15	30	100	100	4	
6	2	R3,R1	Resistor		100 ohms	tbd	tbd	100QBK-ND	0.02	0.04	100	100	0	
7	1	R2	Resistor		130kohms	tbd	tbd	tbd		0	50	50	0	
8	1	X1	SCR	TCR2207	1.5A,600v	Teccor	DigiKey	TCR22-8-ND	0.52	0.52	50	50	4	
9	1	J3	Socket Horz., Fuse	281002		Littlefuse	Newark	20F616	1.42	1.42	50	50	0	
10	1	-	Case + lid, plastic	761	2.43x4.375	Keystone	DigiKey	761KE-ND	4.16	4.16	50	50	1	
11	1	PCB	Circuit Board	crowbar1		Adv Ckts	Adv Ckts	CROWBAR.MAX	7.35	7.35	50	50	0	
										0				
										TOTAL	63.6			

Labor Costs:

	Hrs/ea	Rate	Cost	Total Cost
Board Assembly	0.3	40	12	600
Panel Machine work	0.5	60	30	1500
Module Assembly	0.2	0	0	0
Test	0.2	0	0	0
TOTAL				2100

Cost Each= 106